

ENVIRONMENTAL QUALITY

CHAPTER 8

AIR QUALITY

Sub-Chapter 3

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Sub-Chapter 3

Emission Standards

17.8.301 DEFINITIONS For purposes of this subchapter, the following definitions apply:

(1) "112(g) exemption" means a document issued by the department on a case-by-case basis, finding that a major source of HAP meets the criteria contained in 40 CFR 63.41 (definition of "construct a major source", (2)(i) through (vi)), and is thus exempt from the requirements of 42 USC 7412(g).

(2) "Airborne particulate matter" means any particulate matter discharged into the outdoor atmosphere which is not discharged from the normal exit of a stack or chimney for which a source test can be performed in accordance with 40 CFR Part 60, Appendix A, method 5 (determination of particulate emissions from stationary sources).

(3) "Best available control technology (BACT)" means an emission limitation (including a visible emission standard), based on the maximum degree of reduction for each air pollutant which would be emitted from any source or alteration which the department, on a case-by-case basis, taking into account energy, environment, and economic impacts and other costs, determines is achievable for such sources or alterations through application of production processes or available methods, systems, and techniques, including fuel cleaning or treatment or innovative fuel combustion techniques for control of such air contaminant. In no event shall application of BACT result in emission of any air contaminant which would exceed the emissions allowed by any applicable standard under this chapter. If the department determines that technological or economic limitations on the application of measurement methodology to a particular class of sources or alterations would make the imposition of an emission standard infeasible, it may instead prescribe a design, equipment, work practice or operational standard or combination thereof, to require the application of BACT. Such standard shall, to the degree possible, set forth the emission reduction achievable by implementation of such design, equipment, work practice or operation and shall provide for compliance by means which achieve equivalent results.

(4) "Beginning actual construction" means, in general, initiation of physical on-site construction activities of a permanent nature. Such activities include, but are not limited to, installation of building supports and foundations, laying of underground pipework, and construction of permanent storage structures.

(5) "Building, structure, facility, or installation" means all of the pollutant-emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control) except the activities of any vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same major group (i.e., which have the same 2-digit code) as described in the standard industrial classification manual, 1987.

(6) "Construct a major source of HAP" means:

(a) to fabricate, erect, or install a major source of HAP;
or

(b) to reconstruct a major source of HAP, by replacing components at an existing process or production unit that in and of itself emits or has the potential to emit 10 tons per year of any HAP, or 25 tons per year of any combination of HAP, whenever:

(i) the fixed capital cost of the new components exceeds 50% of the fixed capital cost that would be required to construct a comparable process or production unit; and

(ii) it is technically and economically feasible for the reconstructed major source to meet the applicable maximum achievable control technology emission limitation for new sources established under 40 CFR 63 Subpart B.

(7) "Existing fuel burning equipment" means fuel burning equipment constructed or installed prior to November 23, 1968.

(8) "Greenfield site" means a contiguous area under common control that is an undeveloped site.

(9) "Hazardous air pollutant" ("HAP") means any air pollutant listed in or pursuant to 42 USC 7412(b).

(10) "Lowest achievable emission rate" ("LAER") means, for any source, that rate of emissions which reflects:

(a) the most stringent emission limitation which is contained in the implementation plan of any state for such class or category of source, unless the owner or operator of the proposed source demonstrates that such limitations are not achievable; or

(b) the most stringent emission limitation which is achieved in practice by such class or category of source, whichever is more stringent. In no event shall the application of this term permit a proposed new or modified source to emit any pollutant in excess of the amount allowable under applicable new source standards of performance under 40 CFR Parts 60 and 61.

(11) "Major source of HAP" means:

(a) at any greenfield site, a stationary source or group of stationary sources which is located within a contiguous area and under common control and which emits or has the potential to emit 10 tons per year of any HAP or 25 tons per year of any combination of HAP; or

(b) at any developed site, a new process or production unit which in and of itself emits or has the potential to emit 10 tons per year of any HAP or 25 tons per year of any combination of HAP.

(12) "Maximum achievable control technology" ("MACT") means the emission limitation which is not less stringent than the emission limitation achieved in practice by the best controlled similar source, and which reflects the maximum degree of reduction in emissions that the department, taking into consideration the cost of achieving such emission reduction, and any non-air quality health and environmental impacts and energy requirements, determines is achievable by the constructed or reconstructed major source of HAP.

(13) "New fuel burning equipment" means fuel burning equipment constructed, installed or altered after November 23, 1968.

(14) "Notice of MACT approval" means a document issued by the department containing all federally enforceable conditions necessary to enforce MACT or other control technologies such that the MACT emission limitation is met.

(15) "Process or production unit" means any collection of structures and/or equipment, that processes, assembles, applies, or otherwise uses material inputs to produce or store an intermediate or final product. A single facility may contain more than one process or production unit.

(16) "Process weight" means the total weight of all materials introduced into any specific process which may cause emissions. Solid fuels charged will be considered as part of the process weight, but liquid and gaseous fuels and combustion air will not.

(17) "Process weight rate" means the rate established as follows:

(a) For continuous or long-run steady-state operations, the total process weight for the entire period of continuous operation or for a typical portion thereof, divided by the number of hours of such period or portion thereof.

(b) For cyclical or batch operations, the total process weight for a period that covers a complete operation or an integral number of cycles, divided by the hours of actual process operation during such a period. Where the nature of any process or operation or the design of any equipment is such as to permit more than one interpretation of this definition, the interpretation that results in the minimum value for allowable emissions shall apply.

(18) "Reasonable precautions" mean any reasonable measures to control emissions of airborne particulate matter. Determination of what is reasonable will be accomplished on a case-by-case basis taking into account energy, environmental, economic, and other costs.

(19) "Reasonably available control technology" means devices, systems, process modifications, or other apparatus or techniques that are determined on a case-by-case basis to be reasonably available, taking into account the necessity of imposing such controls in order to attain and maintain a national or Montana ambient air quality standard, the social, environmental, and economic impact of such controls, and alternative means of providing for attainment and maintenance of such standard. (History: 75-2-111, 75-2-203, 75-2-204, MCA; IMP, 75-2-203, MCA; NEW, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285; AMD, 1999 MAR p. 1658, Eff. 7/23/99; AMD, 2001 MAR p. 976, Eff. 6/8/01.)

17.8.302 INCORPORATION BY REFERENCE (1) For the purposes of this subchapter, the board hereby adopts and incorporates by reference the following:

(a) 40 CFR Part 60, pertaining to standards of performance for new stationary sources and modifications;

(b) 40 CFR Part 61, pertaining to emission standards for hazardous air pollutants;

(c) 40 CFR Part 63, pertaining to emission standards for hazardous air pollutant source categories;

(d) 40 CFR 81.327, pertaining to the air quality attainment status designations for Montana;

(e) ARM Title 17, chapter 53, subchapter 5, pertaining to the identification and listing of hazardous waste; and

(f) the Standard Industrial Classification Manual (1987), Office of Management and Budget (PB 87-100012), pertaining to a system of industrial classification and definition based upon the composition and structure of the economy.

(2) A copy of materials incorporated by reference in this subchapter is available for public inspection and copying at the Department of Environmental Quality, 1520 E. 6th Ave., P.O. Box 200901, Helena, MT 59620-0901.

(3) Copies of federal materials also may be obtained from:

(a) National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161; phone: (800) 553-6847 or (703) 605-6000; fax: (703) 605-6900; email: orders@ntis.gov; web: <http://www.ntis.gov>;

(b) National Service Center for Environmental Publications (NSCEP), P.O. Box 42419, Cincinnati, OH 45242-0419; phone: (800) 490-9198 or (513) 489-8190; fax: (513) 489-8695; email: ncepimal@one.net; web: <http://www.epa.gov/ncepihom>;

(c) U.S. Government Printing Office, Information Dissemination (Superintendent of Documents), P.O. Box 371954, Pittsburgh, PA 15250-7954; phone: (866) 512-1800 or (202) 512-1800; fax: (202) 512-2104; email: orders@gpo.gov; web: <http://www.gpoaccess.gov>; and

(d) the libraries of each of the 10 EPA regional offices.

(4) Copies of the CFR may be obtained from the U.S. government printing office, as described in (3)(c). (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, 1993 MAR p. 2530, Eff. 10/29/93; AMD, 1994 MAR p. 2828, Eff. 10/28/94; AMD, 1995 MAR p. 1572, Eff. 8/11/95; TRANS, from DHES, 1996 MAR p. 2285; AMD, 1996 MAR p. 2298, Eff. 8/23/96; AMD, 1997 MAR p. 1191, Eff. 7/8/97; AMD, 1997 MAR p. 1581, Eff. 9/9/97; AMD, 1998 MAR p. 1725, Eff. 6/26/98; AMD, 1998 MAR p. 3106, Eff. 11/20/98; AMD, 1999 MAR p. 2250, Eff. 10/8/99; AMD, 2000 MAR p. 1316, Eff. 5/26/00; AMD, 2001 MAR p. 1468, Eff. 8/10/01; AMD, 2001 MAR p. 2022, Eff. 10/12/01; AMD, 2002 MAR p. 1747, Eff. 6/28/02; AMD, 2003 MAR p. 9, Eff. 12/27/02; AMD, 2003 MAR p. 645, Eff. 4/11/03; AMD, 2005 MAR p. 959, Eff. 6/17/05.)

Rule 17.8.303 reserved

17.8.304 VISIBLE AIR CONTAMINANTS (1) No person may cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed on or before November 23, 1968, that exhibit an opacity of 40% or greater averaged over 6 consecutive minutes. The provisions of this section do not apply to transfer of molten metals or emissions from transfer ladles.

(2) No person may cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes.

(3) During the building of new fires, cleaning of grates, or soot blowing, the provisions of (1) and (2) of this rule shall apply, except that a maximum average opacity of 60% is permissible for not more than 1 4-minute period in any 60 consecutive minutes. Such a 4-minute period means any 4 consecutive minutes.

(4) This rule does not apply to emissions from:

- (a) wood-waste burners;
- (b) incinerators;
- (c) motor vehicles;

(d) those new stationary sources listed in ARM 17.8.340 for which a visible emission standard has been promulgated;

(e) residential solid-fuel combustion devices such as fireplaces and wood or coal stoves; or

(f) recovery furnaces at kraft pulp mills. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, 1978 MAR p. 1727, Eff. 12/29/78; AMD, 1986 MAR p. 1021, Eff. 6/13/86; AMD, 1995 MAR p. 1572, Eff. 8/11/95; TRANS, from DHES, 1996 MAR p. 2285.)

Rules 17.8.305 through 17.8.307 reserved

17.8.308 PARTICULATE MATTER, AIRBORNE (1) No person shall cause or authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control emissions of airborne particulate matter are taken. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes, except for emission of airborne particulate matter originating from any transfer ladle or operation engaged in the transfer of molten metal which was installed or operating prior to November 23, 1968.

(2) No person shall cause or authorize the use of any street, road, or parking lot without taking reasonable precautions to control emissions of airborne particulate matter.

(3) No person shall operate a construction site or demolition project unless reasonable precautions are taken to control emissions of airborne particulate matter. Such emissions of airborne particulate matter from any stationary source shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes.

(4) Within any area designated nonattainment in 40 CFR 81.327 for PM, any person who owns or operates:

(a) any existing source of airborne particulate matter shall apply reasonably available control technology (RACT);

(b) any new source of airborne particulate matter that has a potential to emit less than 100 tons per year of particulate matter shall apply best available control technology (BACT);

(c) any new source of airborne particulate matter that has a potential to emit more than 100 tons per year of particulate matter shall apply lowest achievable emission rate (LAER).

(5) The provisions of this rule shall not apply to emissions of airborne particulate matter originating from any activity or equipment associated with the use of agricultural land or the planting, production, harvesting, or storage of agricultural crops (this exemption does not apply to the processing of agricultural products by a commercial business).

(History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, 1979 MAR p. 145, Eff. 2/16/79; AMD, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285; AMD, 2000 MAR p. 836, Eff. 3/31/00.)

17.8.309 PARTICULATE MATTER, FUEL BURNING EQUIPMENT

(1) No person shall cause or authorize particulate matter caused by the combustion of fuel to be discharged from any stack or chimney into the outdoor atmosphere in excess of the rates in the following table:

Heat Input in Million British Thermal Units per Hour	Maximum Allowable Emissions of Particulate Matter in lbs. per Million British Thermal Units	
	Existing Fuel Burning Equipment	New Fuel Burning Equipment
10 and below	0.60	0.60
100	0.40	0.35
1,000	0.28	0.20
10,000 and above	0.19	0.12

(2) When the heat input falls between any two consecutive heat input values in the preceding table, maximum allowable emissions of particulate matter for existing fuel burning equipment and new fuel burning equipment must be calculated using the following equations:

$$\text{For existing fuel burning equipment: } E = 0.882 * H^{-0.1664}$$

$$\text{For new fuel burning equipment: } E = 1.026 * H^{-0.233}$$

Where H is the heat input capacity in MMBtu per hour and E is the maximum allowable particulate emissions rate in lbs. per MMBtu.

For the purposes of this rule, heat input will be calculated as the aggregate heat content of all fuels (using the upper limit of their range of heating value) whose products of combustion pass through the stack or chimney.

(3) When two or more fuel burning units are connected to a single stack, the combined heat input of all units connected to the stack shall not exceed that allowable for the same unit connected to a single stack.

(4) This rule does not apply to emissions from residential solid fuel combustion devices such as fireplaces and wood and coal stoves.

(5) This rule does not apply to particulate matter emitted from:

(a) those new stationary sources listed in ARM 17.8.340 for which a particulate emission standard has been promulgated; and

(b) sources constructed after March 16, 1979, that have a specific particulate emission limitation contained in a Montana air quality permit obtained under ARM Title 17, chapter 8, subchapter 7, a court order, board order or department order, or a process-specific rule. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, 1988 MAR p. 500, Eff. 3/11/88; AMD, 1995 MAR p. 2413, Eff. 11/10/95; TRANS, from DHES, 1996 MAR p. 2285; AMD, 2002 MAR p. 3567, Eff. 12/27/02.)

17.8.310 PARTICULATE MATTER, INDUSTRIAL PROCESSES

(1) No person shall cause or authorize particulate matter to be discharged, from any operation, process or activity, into the outdoor atmosphere in excess of the amount shown in the following table:

Maximum Hourly Allowable <u>Emissions of Particulate Matter</u>	
Process Weight Rate Tons/hr	lb/hr
0.05	0.551
0.10	0.877
0.20	1.40
0.30	1.83
0.40	2.22
0.50	2.58
0.75	3.38
1.00	4.10
1.25	4.76
1.50	5.38
1.75	5.96
2.00	6.52
2.50	7.58
3.00	8.56
3.50	9.49
4.00	10.40
4.50	11.20
5.00	12.00
6.00	13.60
8.00	16.50
9.00	17.90
10.00	19.20
15.00	25.20
20.00	30.50
25.00	35.40
30.00	40.00
35.00	41.30
40.00	42.50
45.00	43.60

50.00	44.60
60.00	46.30
70.00	47.80
80.00	49.00
100.00	51.20
500.00	69.00
1,000.00	77.60
3,000.00	92.70

(2) When the process weight rate falls between two process weight rate values in the table, or exceeds 3,000 tons per hour, the maximum hourly allowable emissions of particulate matter must be calculated using the following equations:

(a) Maximum hourly allowable emissions of particulate matter, for process weight rates up to 30 tons per hour, must be calculated using the following equation:

$$E = 4.10 P^{0.67}$$

(b) Maximum hourly allowable emissions of particulate matter, for process weight rates in excess of 30 tons per hour, must be calculated using the following equation:

$$E = 55.0 P^{0.11} - 40$$

Where E = rate of emission in pounds per hour and P = process weight rate in tons per hour.

(3) This rule does not apply to particulate matter emitted from:

(a) the reduction cells of a primary aluminum reduction plant;

(b) those new stationary sources listed in ARM 17.8.340 for which a particulate emission standard has been promulgated;

(c) fuel burning equipment;

(d) incinerators; and

(e) sources constructed after March 16, 1979, that have a specific particulate emission limitation contained in a Montana air quality permit obtained under ARM Title 17, chapter 8, subchapter 7, a court order, board order or department order, or a process-specific rule. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, Eff. 7/5/74; AMD, Eff. 9/5/75; AMD, 1995 MAR p. 2413, Eff. 11/10/95; TRANS, from DHES, 1996 MAR p. 2285; AMD, 2002 MAR p. 3567, Eff. 12/27/02.)

Rules 17.8.311 through 17.8.314 reserved

17.8.315 ODORS IS REPEALED (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, Eff. 9/5/75; AMD, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285; REP, 2001 MAR p. 976, Eff. 6/8/01.)

17.8.316 INCINERATORS (1) An incinerator may not be used to burn solid or hazardous waste unless the incinerator is a multiple chamber incinerator or has a design of equal effectiveness approved by the department prior to installation or use.

(2) A person may not cause or authorize to be discharged into the outdoor atmosphere from any incinerator, particulate matter in excess of 0.10 grains per standard cubic foot of dry flue gas, adjusted to 12% carbon dioxide and calculated as if no auxiliary fuel had been used.

(3) A person may not cause or authorize to be discharged into the outdoor atmosphere from any incinerator emissions which exhibit an opacity of 10% or greater averaged over six consecutive minutes.

(4) To determine compliance with this rule, the department may direct that an incinerator not be operated at any time other than between the hours of 8:00 a.m. and 5:00 p.m. When operation of an incinerator is prohibited by the department, the owner or operator of the incinerator shall store any solid or hazardous waste in a manner that will not create a fire hazard or arrange for removal and disposal of the solid or hazardous waste in a manner consistent with ARM Title 17, chapter 50, subchapter 5.

(5) This rule applies to performance tests for determining emissions of particulate matter from incinerators. All performance tests shall be conducted while the affected facility is burning solid or hazardous waste representative of normal operation. Testing shall be conducted in accordance with ARM 17.8.106 and the Montana Source Test Protocol and Procedures Manual.

(6) This rule does not apply to incinerators for which a Montana air quality permit has been issued under 75-2-215, MCA, and ARM 17.8.770. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, Eff. 9/5/75; AMD, 1978 MAR p. 1731, Eff. 12/29/78; TRANS, from DHES, 1996 MAR p. 2285; AMD, 1997 MAR p. 1193, Eff. 7/8/97; AMD, 1999 MAR p. 2250, Eff. 10/8/99; AMD, 2002 MAR p. 3567, Eff. 12/27/02; AMD, 2004 MAR p. 724, Eff. 4/9/04.)

Rules 17.8.317 through 17.8.319 reserved

17.8.320 WOOD-WASTE BURNERS (1) It is hereby declared to be the policy of the department to encourage the complete utilization of wood-waste residues and to restrict, wherever reasonably practical, the disposal of wood-waste residues by combustion in wood-waste burners. Recent technological and economic developments have enhanced the degree to which wood-waste residues currently being disposed of in wood-waste burners may be utilized or otherwise disposed of in ways not damaging the environment. While recognizing that complete utilization of wood-waste is not presently possible in all instances, this policy applies to the extent practical and consistent with economic and geographical conditions in Montana.

(2) Construction, reconstruction, or substantial alteration of wood-waste burners is prohibited unless the requirements of subchapter 7 of this chapter have been met.

(3) No person shall cause or authorize to be discharged into the outdoor atmosphere from any wood-waste burner any emissions which exhibit an opacity of 20% or greater averaged over six consecutive minutes. The provisions of this section may be exceeded for not more than 60 minutes in eight consecutive hours for building of fires in wood-waste burners.

(4) A thermocouple and a recording pyrometer or other temperature measurement and recording device approved by the department shall be installed and maintained on each wood-waste burner. The thermocouple shall be installed at a location near the center of the opening for the exit gases, or at another location approved by the department.

(5) Except as provided in (6), a minimum temperature of 700°F shall be maintained during normal operation of all wood-waste burners. A normal start-up period of 1 hour is allowed during which the 700°F minimum temperature does not apply. The burner shall maintain 700°F operating temperature until the fuel feed is stopped for the day.

(6) Wood-waste burners in existence on February 10, 1989, do not have to comply with the requirements of (5) if they are located outside of PM nonattainment areas.

(7) The owner or operator of a wood-waste burner must maintain a daily written log of the wood-waste burner's operation to determine optimum patterns of operations for various fuel and atmospheric conditions. The log shall include, but not be limited to, the time of day, draft settings, exit gas temperature, type of fuel, and atmospheric conditions. The log or a copy of it must be submitted to the department within 10 days after it is requested.

(8) No person shall use a wood-waste burner for the burning of other than production process wood-waste transported to the burner by continuous flow conveying methods.

(9) Rubber products, asphaltic materials, or other prohibited materials specified in ARM 17.8.604(1)(b) through (d), (f) through (r), (t), (u), (w) and (y) may not be burned or disposed of in wood-waste burners. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, 1978 MAR p. 1732, Eff. 12/29/79; AMD, 1989 MAR p. 270, Eff. 2/10/89; AMD, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285; AMD, 2000 MAR p. 836, Eff. 3/31/00; AMD, 2004 MAR p. 724, Eff. 4/9/04.)

17.8.321 KRAFT PULP MILLS (1) For the purposes of this rule, the following definitions apply:

(a) "Continual monitoring" means sampling and analysis, in a continuous or times sequence, using techniques which will adequately reflect actual emission levels or concentrations on a continuous basis.

(b) "Cross recovery furnace" means a furnace used to recover chemicals consisting primarily of sodium and sulfur compounds by burning black liquor that on a quarterly basis contains more than seven weight percent of the total pulp solids from the neutral sulfite semichemical process and has a green liquor sulfidity of more than 28%.

(c) "Kraft mill" or "mill" means any pulping process which uses, for cooking liquor, an alkaline sulfate solution containing sodium sulfide.

(d) "Non-condensibles" means gases and vapors from the digestion and evaporation processes of a mill that are not condensed with the equipment used in those processes.

(e) "Parts per million" means parts of a contaminant per million parts of gas by volume.

(f) "Recovery furnace" means either a straight kraft recovery furnace or a cross recovery furnace, and includes the direct-contact evaporator for a direct-contact furnace.

(g) "Recovery furnace stack" means the stack from which the products of combustion from the recovery furnace are emitted to the ambient air.

(h) "Straight kraft recovery furnace" means a furnace used to recover chemicals consisting primarily of sodium and sulfur compounds by burning black liquor that on a quarterly basis contains seven weight percent or less of the total pulp solids from the neutral sulfite semichemical process or has green liquor sulfidity of 28% or less.

(i) "Total reduced sulfur (TRS)" means hydrogen sulfide, mercaptans, dimethyl sulfide, dimethyl disulfide, and any other organic sulfides present.

(2) No person or persons shall cause, suffer, allow or permit to be discharged into the outdoor atmosphere from any kraft pulping mill total reduced sulfur in excess of 0.087 pounds per 1,000 pounds of black liquor from each recovery furnace stack or 17.5 parts per million, expressed as hydrogen sulfide on a dry gas basis, whichever is more restrictive or such other limit of TRS that proves to be reasonably attainable utilizing the latest in design of recovery furnace equipment, controls and procedures but not more than 0.087 pounds of TRS per 1,000 pounds of black liquor.

(3) Non-condensibles from digesters and multiple-effect evaporators shall be treated to reduce the emission of TRS equal to the reduction achieved by thermal oxidation in a lime kiln.

(4) Every kraft mill in the state shall install equipment for the continual monitoring of TRS.

(a) The monitoring equipment shall be capable of determining compliance with these standards and shall be capable of continual sampling and recording of the concentrations of TRS contaminants during a time interval not greater than 30 minutes.

(b) The sources monitored shall include, but are not limited to, the recovery furnace stacks and the lime kiln stacks.

(c) Each mill shall sample the recovery furnace, lime kiln, and smelt tank for particulate emissions on a regularly scheduled basis in accordance with its approved sampling program.

(d) Equipment shall be ordered within 30 days after a monitoring program has been approved in writing by the director. The equipment shall be placed in effective operation in accordance with the approved program within 60 days after delivery.

(5) Unless otherwise authorized by the director, data shall be reported by each mill at the end of each calendar month as follows:

(a) Daily average emission of TRS gases expressed in pounds of sulfur per 1,000 pounds of black liquor fired for each source included in the approved monitoring program.

(b) The number of hours each day that the emission of TRS gases from each recovery furnace stack exceeds 17.5 parts per million dry and the maximum concentration of TRS measured each day.

(c) Emission of TRS gases in pounds of sulfur per 1,000 pounds of black liquor fired in the kraft recovery furnace on a monthly basis and pounds of sulfur per hour for the other sources included in the approved monitoring program. Emission of particulates in pounds per hour based upon a sampling conducted in accordance with the approved monitoring program.

(d) Average daily kraft pulp production in air-dried tons and average daily black liquor burning rate.

(e) Other emission data as specified in the approved monitoring program.

(6) Each kraft mill shall furnish, upon request of the director, such other pertinent data as may be required to evaluate the mill's emission control program. Each mill shall immediately report abnormal mill operations which result in increased emissions of air contaminants, following procedures set forth in the approved monitoring program.

(7) All TRS emission standards in this rule will be based on average daily emissions. The TRS limitations in this rule will not preclude a requirement to install the highest and best practicable treatment and control available. New mills or mills expanding existing facilities may be required to meet more restrictive TRS emission limits.

(8) No person may cause or authorize to be discharged into the outdoor atmosphere, from any recovery furnace installed on or before November 23, 1968, emissions that exhibit 35% opacity or greater averaged over six consecutive minutes. For recovery furnaces, this opacity limitation supersedes any other opacity limitation contained in this chapter, including ARM 17.8.304 and 17.8.340.

(9) No person may cause or authorize to be discharged into the outdoor atmosphere, from any recovery furnace installed after November 23, 1968, emissions that exhibit 20% opacity or greater averaged over six consecutive minutes for more than 6% of the six-minute time periods during which a source is operating within any calendar quarter.

(10) No person may cause or authorize to be discharged into the outdoor atmosphere, from any recovery furnace installed after September 4, 1976, emissions that exhibit 20% opacity or greater averaged over six consecutive minutes for more than 3% of the six-minute time periods during which a source is operating within any calendar quarter.

(11) For the purposes of this rule, excess opacity emissions means any six-minute average opacity of 35% or greater for any recovery furnace installed on or before November 23, 1968, and 20% or greater for any recovery furnace installed after November 23, 1968.

(12) No person may cause or authorize to be discharged into the outdoor atmosphere, from any recovery furnace subject to (9) or (10), emissions that exhibit 20% opacity or greater averaged over a 24-hour period, starting at 5:00 a.m. each calendar day.

(13) During any period of excess opacity emissions, any person subject to (8), (9), or (10) must operate the recovery furnaces and associated control equipment in accordance with good air pollution control practices for minimizing emissions.

(14) Any person subject to (8), (9), or (10) of this rule shall install, calibrate, maintain, and operate a continuous opacity monitoring system (COMS) to monitor and record the opacity of emissions discharged into the atmosphere from any recovery furnace subject to this rule. The COMS shall be installed, calibrated, maintained, and operated in compliance with the requirements of 40 CFR Part 60.13 and Appendix B thereto, performance specification 1. In addition, the COMS shall comply with any other requirements of 40 CFR Part 60 regarding the installation, calibration, maintenance, and operation of COMS for kraft pulp mill recovery furnaces and any other applicable requirement in this chapter regarding the installation, calibration, maintenance, and operation of COMS.

(15) COMS will be the primary measure of compliance with the opacity limits specified in (8), (9), and (10) of this rule, except that 40 CFR Part 60, appendix A, method 9, may be used as a measure of compliance when there is reason to believe that COMS data is not accurate or when COMS data is unavailable.

(16) Any person subject to (14) of this rule shall report every time period of excess opacity emissions from any recovery furnace, as determined by the COMS or other compliance determination method as provided for in (15), and shall report every time period when the COMS was not operational. These reports must be submitted on forms provided by the department and must be made in compliance with department procedures and applicable requirements for submittal of excess emissions reports. These reports must be submitted to the department quarterly, within 30 days after the end of each calendar quarter. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, 1995 MAR p. 1572, Eff. 8/11/95; TRANS, from DHES, 1996 MAR p. 2285; AMD, 1999 MAR p. 279, Eff. 2/12/99.)

17.8.322 SULFUR OXIDE EMISSIONS--SULFUR IN FUEL

(1) "Btu" means British thermal unit which is the heat required to raise the temperature of 1 pound of water through 1 Fahrenheit degree.

(2) Commencing July 1, 1970, no person shall burn liquid or solid fuels containing sulfur in excess of 2 pounds of sulfur per million Btu fired.

(3) Commencing July 1, 1971, no person shall burn liquid or solid fuels containing sulfur in excess of 1.5 pounds of sulfur per million Btu fired.

(4) Commencing July 1, 1972, no person shall burn liquid or solid fuels containing sulfur in excess of 1 pound of sulfur per million Btu fired.

(5) Commencing July 1, 1971, no person shall burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions. The provisions of (5) shall not apply to:

(a) The burning of sulfur, hydrogen sulfide, acid sludge or other sulfur compounds in the manufacturing of sulfur or sulfur compounds.

(b) The incinerating of waste gases provided that the gross heating value of such gases is less than 300 Btu's per cubic foot at standard conditions and the fuel used to incinerate such waste gases does not contain sulfur or sulfur compounds in excess of the amount specified in this rule.

(c) The use of fuels where the gaseous products of combustion are used as raw materials for other processes.

(d) Small refineries (under 10,000 barrels per day crude oil charge) provided that they meet other provisions of this rule.

(6) The following are exceptions to this rule:

(a) A permit may be granted by the director to burn fuels containing sulfur in excess of the sulfur contents indicated in (2) through (5) of this rule provided it can be shown that the facility burning the fuel is fired at a rate of 1 million Btu per hour or less.

(b) For purpose of this rule, a higher sulfur-containing fuel may, upon application to the director, be utilized in (2), (3) or (4) of this rule if such fuel is mixed with 1 or more lower sulfur-containing fuels which results in a mixture, the equivalent sulfur content of which is not in excess of the stated values when fired.

(c) The requirements of (2), (3), or (4) of this rule shall also be deemed to have been satisfied if, upon application to the director, a sulfur dioxide control process is applied to remove the sulfur dioxide from the gases emitted by burning of fuel of any sulfur content which results in an emission of sulfur in pounds per hour not in excess of the pounds per hour

of sulfur that would have been emitted by burning fuel of the sulfur content indicated without such a cleaning device. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.323 SULFUR OXIDE EMISSIONS--PRIMARY COPPER SMELTERS
IS REPEALED (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, 1981 MAR p. 203, Eff. 3/13/81; TRANS, from DHES, 1996 MAR p. 2285; REP, 2001 MAR p. 560, Eff 4/6/01.)

17.8.324 HYDROCARBON EMISSIONS--PETROLEUM PRODUCTS

(1) No person shall place, store or hold in any stationary tank, reservoir or other container of more than 65,000 gallons capacity any crude oil, gasoline or petroleum distillate having a vapor pressure of 2.5 pounds per square inch absolute or greater under actual storage conditions, unless such tank, reservoir or other container is a pressure tank maintaining working pressures sufficient at all times to prevent hydrocarbon vapor or gas loss to the atmosphere, or is designed and equipped with one of the following vapor loss control devices, properly installed, in good working order and in operation:

(a) A floating roof, consisting of a pontoon type or double deck type roof, resting on the surface of the liquid contents and equipped with a closure seal, or seals to close space between the roof edge and tank wall. The control equipment provided for in this subsection shall not be used if the gasoline or petroleum distillate has a vapor pressure of 13.0 pounds per square inch absolute or greater under actual storage conditions. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

(b) A vapor recovery system, consisting of a vapor gathering system capable of collecting the hydrocarbon vapors and gases discharged and a vapor disposal system capable of processing such hydrocarbon vapors and gases so as to prevent their emission to the atmosphere and with all tank gauging and sampling devices gas-tight except when gauging or sampling is taking place.

(c) Other equipment of equal efficiency provided such equipment has been approved by the department.

(2) No person shall use any compartment of any single or multiple compartment oil-effluent water separator which compartment receives effluent water containing 200 gallons a day or more of any petroleum product from any equipment processing, refining, treating, storing or handling kerosene or other petroleum product of equal or greater volatility than kerosene, unless such compartment is equipped with one of the following vapor loss control devices, constructed so as to prevent any emission of hydrocarbon vapors to the atmosphere, properly installed, in good working order and in operation.

(a) A solid cover with all openings sealed and totally enclosing the liquid contents. All gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

(b) A floating roof, consisting of a pontoon type or double deck type roof, resting on the surface of the liquid contents and equipped with a closure seal, or seals, to close the space between the roof edge and containment wall. All gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.

(c) A vapor recovery system, consisting of a vapor gathering system capable of collecting the hydrocarbon vapors and gases discharged and a vapor disposal system capable of processing such hydrocarbon vapors and gases so as to prevent their emission to the atmosphere and with all tank gauging and sampling devices gas-tight except when gauging or sampling is taking place.

(d) Other equipment of equal efficiency provided such equipment has been approved by the department.

(e) This rule shall not apply to any oil-effluent water separator used exclusively in conjunction with the production of crude oil.

(3) No person shall load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor loss control device as described in (1) of this rule, or is a pressure tank as described in (1) of this rule.

(a) The provisions of the first paragraph of (3) shall not apply to the loading of gasoline into any tank having a capacity of 2,000 gallons or less, which was installed prior to June 30, 1971 nor any underground tank installed prior to June 30, 1971 where the fill line between the fill connection and tank is offset.

(b) A person shall not install any gasoline tank with a capacity of 250 gallons or more unless such tank is equipped as described in the first paragraph of (3).

(4) The provisions of this rule do not apply to any stationary tank which is used primarily for the fueling of implements of husbandry.

(5) Existing refineries normally processing less than 7,000 barrels per day of crude oil charge shall be exempt from the provisions of this rule.

(6) Refineries normally processing 7,000 barrels per day or more of crude oil charge shall comply with (1) of this rule by January 1, 1977.

(7) Facilities used exclusively for the production of crude oil are exempt from this rule. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; AMD, Eff. 9/5/75; AMD, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.325 MOTOR VEHICLES (1) No person shall intentionally remove, alter or otherwise render inoperative, exhaust emission control, crank case ventilation or any other air pollution control device which has been installed as a requirement of federal law or regulation.

(2) No person shall operate a motor vehicle originally equipped with air pollution control devices as required by federal law or regulation unless such devices are in place and in operating condition. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; Eff. 12/31/72; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.326 PROHIBITED MATERIALS FOR WOOD OR COAL RESIDENTIAL STOVES (1) No person may cause or authorize the use of the following materials to be combusted in any residential solid-fuel combustion device such as a wood, coal, or pellet stove or fireplace:

- (a) food wastes;
- (b) styrofoam and other plastics;
- (c) wastes generating noxious odors;
- (d) poultry litter;
- (e) animal droppings;
- (f) dead animals or dead animal parts;
- (g) tires;
- (h) asphalt shingles;
- (i) tar paper;
- (j) insulated wire;
- (k) treated lumber and timbers including railroad ties;
- (l) pathogenic wastes;
- (m) colored newspaper or magazine print;
- (n) hazardous wastes as defined by administrative rules found at ARM Title 17, chapter 54, subchapter 3; or
- (o) chemicals. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, 1986 MAR p. 1021, Eff. 6/13/86; AMD, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285.)

Rules 17.8.327 through 17.8.329 reserved

17.8.330 EMISSION STANDARDS FOR EXISTING ALUMINUM PLANTS--
DEFINITIONS For the purposes of this rule, the following definitions apply:

(1) "Aluminum manufacturing" means the electrolytic reduction of alumina (aluminum oxide) to aluminum.

(2) "Emission" means a release into the outdoor atmosphere of total fluorides.

(3) "Existing primary aluminum reduction plant" means any facility manufacturing aluminum, by electrolytic reduction, which was in existence and operating on February 26, 1982.

(4) "Owner or operator" means any person who owns, leases, operates, controls, or supervises an existing primary aluminum reduction plant.

(5) "Pot" means a reduction cell.

(6) "Potroom" means a building unit which houses a group of electrolytic cells in which aluminum is produced.

(7) "Potroom group" means an uncontrolled potroom, a potroom which is controlled individually as a group of potrooms or potroom segments ducted to a common control system.

(8) "Total fluorides" means all fluoride compounds as measured by methods approved by the department. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, 1982 MAR p. 390, Eff. 2/26/82; AMD, 1989 MAR p. 270, Eff. 2/10/89; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.331 EMISSION STANDARDS FOR EXISTING ALUMINUM PLANTS--
STANDARDS FOR FLUORIDE (1) No owner or operator subject to the provisions of this rule may cause the emission into the atmosphere from any existing primary aluminum reduction plant of any gasses which contain total fluorides in excess of 1.3 kg/Mg (2.6 lb/ton) of aluminum produced at Soderberg plants averaged over any calendar month. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, 1982 MAR p. 390, Eff. 2/26/82; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.332 EMISSION STANDARDS FOR EXISTING ALUMINUM PLANTS--
STANDARD FOR VISIBLE EMISSIONS (1) No owner or operator subject to this rule may cause the emission into the atmosphere from any potroom group of any gasses or particles which exhibit 10% opacity or greater, as determined by EPA Reference Method 9 in Appendix A of 40 CFR Part 60, incorporated by reference in ARM 17.8.302. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, 1982 MAR p. 390, Eff. 2/26/82, AMD, 1989 MAR p. 270, Eff. 2/10/89; AMD, 1996 MAR p. 1844, Eff. 7/4/96; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.333 EMISSION STANDARDS FOR EXISTING ALUMINUM PLANTS--MONITORING AND REPORTING (1) For the purpose of this rule the board hereby adopts and incorporates by reference 40 CFR 60.195 which sets forth test methods and procedures for primary aluminum reduction plants. A copy of this incorporated material may be obtained from the Department of Environmental Quality, P.O. Box 200901, Helena, MT 59620-0901.

(2) An owner or operator shall submit by May 1, 1982 to the department a detailed monitoring program including, but not limited to, a description of monitoring equipment, monitoring procedures, monitoring frequency, and any other information requested by the department. The monitoring program must be approved by the department and may be revised from time to time by the department.

(3) In order to be approved by the department, the monitoring plan must meet the requirements of 40 CFR 60.195 or equivalent requirements established by the department.

(4) An owner or operator of an existing primary aluminum reduction plant shall submit a quarterly emission report to the department, no later than 45 days following the end of the calendar quarter reported, in a format and reporting parameters as requested by the department. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, 1982 MAR p. 390, Eff. 2/26/82; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.334 EMISSION STANDARDS FOR EXISTING ALUMINUM PLANTS--STARTUP AND SHUTDOWN (1) Operations during periods of startup and shutdown shall not constitute representative conditions for the purpose of determining compliance with this rule, nor shall emissions in excess of the levels required in ARM 17.8.331 and 17.8.332 during periods of startup and shutdown be considered a violation of the limits in ARM 17.8.331 and 17.8.332.

(2) At all times, including periods of startup and shutdown, owners and operators shall, to the extent practicable, maintain and operate any existing primary aluminum reduction plant including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

(3) Any owner or operator of an existing primary aluminum reduction plant shall maintain records of the occurrence and duration of any startup or shutdown in the operation of an affected facility and any period during which a continuous monitoring system or monitoring device is inoperative. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, 1982 MAR p. 390, Eff. 2/26/82; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.335 MAINTENANCE OF AIR POLLUTION CONTROL EQUIPMENT FOR EXISTING ALUMINUM PLANTS

(1) The department may not initiate an enforcement action for a violation of ARM 17.8.111, 17.8.334(2), or any emission standard, except the requirements of 40 CFR Part 63, as incorporated by reference in this chapter, resulting from necessary scheduled maintenance of air pollution control equipment at an existing primary aluminum reduction plant, as defined in ARM 17.8.330, if:

(a) the maintenance event meets the following conditions:

(i) the maintenance event is conducted during the month of September;

(ii) the maintenance event will not cause uncontrolled PM-10 emissions to exceed normal operating emissions from reduction cells by more than 700 lbs. per 24-hour period as estimated with emission factors;

(iii) the air pollution control equipment maintenance is initiated between the hours of 9:00 a.m. MDT and 12:00 noon MDT and completed by 8:00 p.m. MDT;

(b) the owner or operator submitted, and the department approved, a maintenance plan pursuant to (2) through (5); and

(c) the owner or operator has complied with all requirements of this rule and the approved maintenance plan.

(2) When it is anticipated that shutdown, bypass, or operation at reduced efficiency of air pollution control equipment, for necessary scheduled maintenance of air pollution control equipment, may result in uncontrolled PM-10 emissions over normal operating emissions, prior department approval must be obtained for a maintenance plan that will be used to minimize uncontrolled PM-10 emissions over normal operating emissions. A written application for approval of a maintenance plan, or modifications to an existing approved maintenance plan, must be received by the department at least 45 days prior to the first occurrence of a maintenance event to which the plan applies, and must include the following:

(a) an explanation of the need for maintenance, the reasons the maintenance plan would be of greater benefit to public health, safety, and the environment than shutting down the source operation during the period, and the reasons the bypass or reduced efficiency could not be avoided through better scheduling for maintenance or through better operation and maintenance practices;

(b) identification of the specific air pollution control equipment to be maintained;

(c) a description of the character, amount, and duration of the air contaminants likely to be emitted during the maintenance period, and the estimated amount and duration of uncontrolled PM-10 emissions over normal operating emissions;

(d) a description of the specific procedures that will be used to minimize the length of the maintenance period, such as the use of overtime labor, contract services, and equipment;

(e) a description of the specific procedures that will be used to minimize uncontrolled PM-10 emissions over normal operating emissions during the scheduled maintenance event(s);

(f) citation of all permit requirements, statutes, and rules that might not be complied with during the maintenance event(s); and

(g) the expected date(s) of all maintenance events during which air pollution control equipment will be shut down, bypassed, or operated at reduced efficiency.

(3) Concurrent with submittal of a maintenance plan, public notice must be given as follows:

(a) the applicant shall publish a notice at least once in a newspaper of general circulation published in the geographical area in which the plant or equipment of the applicant is located;

(b) the public notice must include at least the following:

(i) a brief description of the maintenance plan;

(ii) the date(s) of the scheduled maintenance event(s);

(iii) the address and phone number of the premises at which interested persons may obtain further information or inspect or obtain a copy of the maintenance plan;

(iv) the name and address of the person at the department to whom public comments may be sent; and

(v) the date by which comments must be received, which may not be less than 20 days after the date of publication of the notice.

(c) the department shall post a copy of the maintenance plan on its web site.

(4) Within 20 days after the end of the public comment period, the department may approve a maintenance plan submitted to the department in conformance with this rule upon determining that:

(a) the plan will minimize emissions during the maintenance event(s) to the extent practicable;

(b) the maintenance event(s) will not pose a danger to public health, safety, and the environment; and

(c) compliance with the maintenance plan will produce equal or greater benefit to public health, safety, and the environment than shutdown and startup of the facility.

(5) The department may apply conditions to its approval of a maintenance plan. The department shall consider conditions that may affect the concentration of pollutants in the ambient air.

(6) When the department has approved a maintenance plan under this rule, the owner or operator shall notify the department at least 72 hours in advance of each scheduled maintenance event that may result in uncontrolled PM-10 emissions over normal operating emissions. Additional notification may be required:

(a) by permit condition; or

(b) by state implementation plan (SIP) requirement.

(7) The owner or operator of a facility shall report to the department, within 24 hours of occurrence, any deviation from a maintenance plan approved under this rule.

(8) An owner or operator with a maintenance plan approved under this rule shall submit to the department, no later than 45 days after each maintenance event covered by the plan, a written report specifying the date of the event and the amount of any uncontrolled PM-10 emissions over normal operating emissions during the event.

(9) The department may revoke or require modifications to a previously approved maintenance plan at any time by notifying the owner or operator in writing.

(10) Maintenance associated with a maintenance plan approved under this rule may not occur during any period in which an air pollution alert, air pollution warning, or air pollution emergency has been declared pursuant to the Montana emergency episode plan or any applicable county air pollution control program.

(11) Nothing in this rule shall be construed to allow an owner or operator to cause or contribute to violations of any federal or state ambient air quality standard. (History: 75-2-111, MCA; IMP, 75-2-203, MCA; NEW, 2002 MAR p. 2189, Eff. 8/16/02; AMD, 2005 MAR p. 321, Eff. 2/25/05.)

Rules 17.8.336 through 17.8.339 reserved

17.8.340 STANDARD OF PERFORMANCE FOR NEW STATIONARY SOURCES AND EMISSION GUIDELINES FOR EXISTING SOURCES (1) For the purpose of this rule, the following definitions apply:

(a) "Administrator", as used in 40 CFR Part 60, means the department, except in the case of those duties which cannot be delegated to the state by the U.S. environmental protection agency, in which case "administrator" means the administrator of the U.S. environmental protection agency.

(b) "Stationary source" means any building, structure, facility, or installation which emits or may emit any air pollutant subject to regulation under the FCAA.

(2) The terms and associated definitions specified in 40 CFR 60.2, shall apply to this rule, except as specified in (1)(a).

(3) The owner and operator of any stationary source or modification, as defined and applied in 40 CFR Part 60, shall comply with the standards and provisions of 40 CFR Part 60.

(4) The following apply to designated municipal solid waste landfill facilities under 40 CFR Part 60, subpart Cc:

(a) Designated facilities under subpart Cc shall comply with the requirements in 40 CFR 60.33c, 60.34c, and 60.35c that are applicable to designated facilities and that must be included in a state plan for state plan approval.

(b) Designated facilities under Subpart Cc, that meet the conditions in 40 CFR 60.33c(a)(1), regarding operation or design capacity, shall submit an initial design capacity report and an initial emission rate report, in accordance with 40 CFR 60.757, within 90 days of EPA's publication in the Federal Register of approval of this rule. If the design capacity report reflects that the facility meets the condition in 40 CFR 60.33c(a)(2) and the emission rate report reflects that the facility meets the condition in 40 CFR 60.33c(a)(3), the facility shall:

(i) submit a final control plan to the department for review and final approval within 12 months after the date of EPA's publication of approval of this rule in the Federal Register, or within 12 months after the date the condition in 40 CFR 60.33c(a)(3) is met (i.e., the date of the first annual nonmethane organic compound (NMOC) report which demonstrates that NMOCs equal or exceed 50 Mg/yr), whichever occurs later;

(ii) award contracts for any necessary control systems/process changes within 15 months after the date of EPA's publication of approval of this rule in the Federal Register, or within 15 months after the date the condition in 40 CFR 60.33c(a)(3) is met, whichever occurs later;

(iii) initiate on-site construction or installation of any necessary air pollution control devices, and initiate any necessary process changes, within 21 months after the date of EPA's publication of approval of this rule in the Federal Register, or within 21 months after the date the condition in 40 CFR 60.33c(a)(3) is met, whichever occurs later;

(iv) complete on-site construction or installation of any necessary air pollution control devices, and complete any necessary process changes, within 27 months after the date of EPA's publication of approval of this rule in the Federal Register, or within 27 months after the date the condition in 40 CFR 60.33c(a)(3) is met, whichever occurs later; and

(v) achieve final compliance within 30 months after the date of EPA's publication of approval of this rule in the Federal Register, or within 30 months after the date the condition in 40 CFR 60.33c(a)(3) is met, whichever occurs later.

(c) Designated facilities under Subpart Cc shall comply with the final site-specific collection and control system design plan approved by the department and, in accordance with 40 CFR 60.8, shall demonstrate compliance with the emission standards specified in Subpart Cc, not later than 180 days following initial startup of the collection and control system.

(5) Designated hospital/medical/infectious waste incinerator facilities under 40 CFR Part 60, Subpart Ce, shall comply with the requirements in 40 CFR 60.33e, 60.34e, 60.35e, 60.36e, 60.37e and 60.38e that are applicable to designated facilities and that must be included in a state plan for state plan approval. Designated facilities under 40 CFR Part 60, Subpart Ce, that are not excluded under 40 CFR 60.32e, shall:

(a) submit a final control plan to the department for review and final approval within 15 months after the date of EPA's publication of approval of the state plan in the Federal Register;

(b) award contracts for any necessary control systems/process changes within 21 months after the date of EPA's publication of approval of the state plan in the Federal Register;

(c) initiate on-site construction or installation of any necessary air pollution control devices, and initiate any necessary process changes, within 24 months after the date of EPA's publication of approval of the state plan in the Federal Register;

(d) complete on-site construction or installation of any necessary air pollution control devices, and complete any necessary process changes, within 30 months after the date of EPA's publication of approval of the state plan in the Federal Register; and

(e) achieve final compliance with all requirements of the state plan within 36 months after the date of EPA's publication of approval of the state plan in the Federal Register, or by September 15, 2002, whichever is earlier.

(6) Existing small municipal waste combustion units, as defined in 40 CFR 60.1550(a), and that are not exempt under 40 CFR 60.1555, must:

(a) comply with the applicable requirements in 40 CFR 60, subpart BBBB;

(b) achieve final compliance with the Montana small municipal waste combustion unit plan (state plan) or cease operation as expeditiously as practicable but not later than the earlier of the following two dates:

(i) December 6, 2005; or

(ii) three years after the effective date of state plan approval by EPA; and

(c) for Class I units, as defined in 40 CFR 60.1940, for which construction was commenced after June 26, 1987, comply with the dioxins/furans and mercury limits specified in Tables 2 and 3 of 40 CFR 60, subpart BBBB, by the later of the following two dates:

(i) one year after the effective date of state plan approval; or

(ii) one year following the issuance of a revised construction or operation permit, if a permit modification is required. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, Eff. 9/5/75; AMD, Eff. 9/5/76; AMD, 1978 MAR p. 1621, Eff. 12/15/78; AMD, 1982 MAR p. 1744, Eff. 10/1/82; AMD, 1985 MAR p. 1326, Eff. 9/13/85; AMD, 1987 MAR p. 744, Eff. 7/20/87; AMD, 1988 MAR p. 500, Eff. 3/11/88; AMD, 1991 MAR p. 1143, Eff. 7/12/91; AMD, 1992 MAR p. 2741, Eff. 12/25/92; AMD, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285; AMD, 1997 MAR p. 1191, Eff. 7/8/97; AMD, 1998 MAR p. 3106, Eff. 11/20/98; AMD, 2001 MAR p. 2022, Eff. 10/12/01; AMD, 2004 MAR p. 724, Eff. 4/9/04.)

17.8.341 EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS

(1) For the purpose of this rule, the terms and associated definitions specified in 40 CFR 61.02, shall apply, except that:

(a) "Administrator", as used in 40 CFR Part 61, means the department, except in the case of those duties which cannot be delegated to the state by the U.S. environmental protection agency, in which case "administrator" means the administrator of the U.S. environmental protection agency.

(2) The owner or operator of any existing or new stationary source, as defined and applied in 40 CFR Part 61, shall comply with the standards and provisions of 40 CFR Part

61. (History: 75-2-111, 75-2-203, MCA; IMP, 75-2-203, MCA; NEW, Eff. 9/5/76; AMD, 1978 MAR p. 1621, Eff. 12/15/78; AMD, 1982 MAR p. 1744, Eff. 10/1/82; AMD, 1985 MAR p. 1326, Eff. 9/13/85; AMD, 1987 MAR p. 744, Eff. 7/20/87; AMD, 1988 MAR p. 500, Eff. 3/11/88; AMD, 1991 MAR p. 1143, Eff. 7/12/91; AMD, 1992 MAR p. 2741, Eff. 12/25/92; AMD, 1993 MAR p. 2530, Eff. 10/29/93; TRANS, from DHES, 1996 MAR p. 2285.)

17.8.342 EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (1) The owner or operator of any affected source, as defined and applied in 40 CFR Part 63, shall comply with the requirements of 40 CFR Part 63, incorporated by reference in ARM 17.8.302. All references in 40 CFR Part 63, Subpart B to "permitting authority" refer to the Montana department of environmental quality ("department").

(2) Any owner or operator who constructs a major source of HAP is required to obtain from the department a notice of MACT approval or a 112(g) exemption pursuant to this rule, prior to beginning actual construction, unless:

(a) the major source has been specifically regulated or exempted from regulation under a standard issued pursuant to 42 USC 7412(d), (h), or (j) and incorporated into 40 CFR Part 63;

(b) the owner or operator of the major source has already received all necessary air quality permits for such construction, as of July 23, 1999; or

(c) the major source has been excluded from the requirements of 42 USC 7412(g) under 40 CFR 63.40(c), (e) or (f).

(3) Unless granted a 112(g) exemption under (5) below, at least 180 days prior to beginning actual construction, an owner or operator who constructs a major source of HAP shall apply to the department for a notice of MACT approval. The application must be made on forms provided by the department, and must include all information required under 40 CFR 63.43(e).

(4) When acting upon an application for a notice of MACT approval, the department shall comply with the principles of MACT determination specified in 40 CFR 63.43(d).

(5) The owner or operator of a new process or production unit which in and of itself emits or has the potential to emit 10 tons per year of any HAP or 25 tons per year of any combination of HAP, may apply to the department for a 112(g) exemption, if the process or production unit meets the criteria contained in 40 CFR 63.41 (definition of "construct a major source", (2)(i) through (vi)). Application must be made on forms provided by the department, at least 180 days prior to

beginning actual construction. The applicant shall include such information as may be necessary to demonstrate that the process or production unit meets the criteria referenced herein.

(6) As further described below, and except as expressly modified by this rule, the procedural requirements of ARM Title 17, chapter 8, subchapter 7 apply to an application for a notice of MACT approval or 112(g) exemption. For purposes of this rule:

(a) all references in applicable provisions of ARM Title 17, chapter 8, subchapter 7 to "permit" or "Montana air quality permit" or "air quality permit" mean "notice of MACT approval" or "112(g) exemption," as appropriate;

(b) all references in applicable provisions of ARM Title 17, chapter 8, subchapter 7 to "new or modified facility" or "new or modified emitting unit" mean "major source of HAP".

(7) The following sections of ARM Title 17, chapter 8, subchapter 7 govern the application, review, and final approval or denial of a notice of MACT approval or 112(g) exemption: ARM 17.8.748, 17.8.749, 17.8.755, 17.8.756, 17.8.759 and 17.8.760.

(8) The department shall notify the applicant in writing of any final approval or denial of an application for a notice of MACT approval or 112(g) exemption.

(9) A notice of MACT approval must contain the elements specified in 40 CFR 63.43(g). The notice shall expire if fabrication, erection, installation or reconstruction has not commenced within 18 months of issuance, except that the department may grant an extension which may not exceed an additional 12 months.

(10) An owner or operator of a major source of HAP that receives a notice of MACT approval or a 112(g) exemption from the department shall comply with all conditions and requirements contained in the notice of MACT approval or 112(g) exemption.

(11) If a standard is promulgated pursuant to 42 USC 7412(d), (h) or (j), before the date an applicant for a notice of MACT approval or 112(g) exemption has received a final and legally effective determination for a major source of HAP subject to the standard, the applicant shall comply with the promulgated standard.

(12) If a standard is promulgated pursuant to 42 USC 7412(d), (h) or (j), after the owner or operator of a major source of HAP subject to the standard has received a notice of MACT approval, the department shall issue an initial operating permit or reopen an existing operating permit pursuant to ARM Title 17, chapter 8, subchapter 12, as appropriate, consistent with the requirements of 40 CFR 63.44.

(13) The department may revoke a notice of MACT approval or 112(g) exemption if it determines that the notice or exemption is no longer appropriate because a standard has been promulgated pursuant to 42 USC 7412(d), (h) or (j). In pursuing revocation, the department shall follow the procedures specified in ARM 17.8.732. A revocation under this subsection may not become effective prior to the date an owner or operator is required to be in compliance with a standard promulgated pursuant to 42 USC 7412(d), (h), or (j), unless the owner or operator agrees in writing otherwise. (History: 75-2-111, 75-2-203, 75-2-204, MCA; IMP, 75-2-203, 75-2-204, 75-2-211, MCA; TRANS, from DHES, 1996 MAR p. 2285; NEW, 1996 MAR p. 2298, Eff. 8/23/96; AMD, 1999 MAR p. 1658, Eff. 7/23/99; AMD, 2002 MAR p. 3567, Eff. 12/27/02.)

